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S u m m a r y

In a power-operated chuck (1) with clamping jaws (3) that are guided so they can
15 move radially within a chuck body (2) and are in a drivable connection via
intermediate elements with a clamping piston (4) upon which a hydraulic fluid can act
in one or both directions and which is inserted in the chuck body (2) in such a way
that it can move axially, a pressure sensor (41) installed in the chuck body (2) is
provided in order to monitor the hydraulic fluid pressure existing in the pressure
20 chambers (7 and 8) assigned to the clamping piston (4), the pressure sensor (41)
being connected to one or both pressure chambers (7, 8) via hydraulic fluid channels
(42, 43). Furthermore, the pressure sensor (41) has a receiver assigned to it which is
connected to a unit (45) for evaluating the signals received from the pressure sensor
(41).

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This embodiment makes it possible for the pressure existing in a pressure chamber
(7 or 8) to be continuously detected both when it is being charged and during
operation and for this information to be used in order to control a machine tool.
(Figure 1)

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